

## CLAIMS

What is claimed as being new and desired to be protected by LETTERS PATENT of the United States is as follows:

1. A door-attached pet enclosure apparatus, comprising:
  - a first housing portion attached to a door,
  - a group of sidewall panels retained in said first housing portion when said apparatus is in a folded-up, storage condition,
  - a group of roof panels retained in said first housing portion when said apparatus is in the folded-up, storage condition,
  - a second housing portion attached to said first housing portion, and
  - roof-to-sidewall securing means for securing said roof panels to said sidewall panels when said apparatus is in an extended, pet-enclosure condition.
2. The apparatus of claim 1 wherein said second housing portion is attached to said first housing portion with a housing-to-housing hinge.
3. The apparatus of claim 1 wherein said sidewall panels are connected to each other with sidewall-panel hinges.

4. The apparatus of claim 1, further including:

housing-to-housing lock means for locking said first housing portion and said second housing portion together when said apparatus is in the folded-up, storage condition.

5. The apparatus of claim 4 wherein said housing-to-housing lock means include:

a first lock member attached to said first housing portion, and  
a second lock member attached to said second housing portion.

6. The apparatus of claim 1, further including:

a sidewall-to-sidewall locking means for locking non-hinged ends of sidewall panels together.

7. The apparatus of claim 1 wherein said roof panels are connected to each other with roof-panel hinges.

8. The apparatus of claim 1 wherein:

the door includes a pet access portal,  
said first housing portion includes a first housing access portal that is in registration with the pet access portal,  
said second housing portion includes a second housing access portal that is in registration with said first housing access portal and the pet access portal when said apparatus is in a folded-up, storage condition.

9. The apparatus of claim 8, further including:

floor-mounted, portal cover gates for covering said second housing access portal when said apparatus is in the extended, pet-enclosure condition.

10. The apparatus of claim 1 wherein said roof-to-sidewall securing means include a lock bar.

11. The apparatus of claim 10 wherein said lock bar is secured at a distal end to a lock loop attached to a distal roof panel.